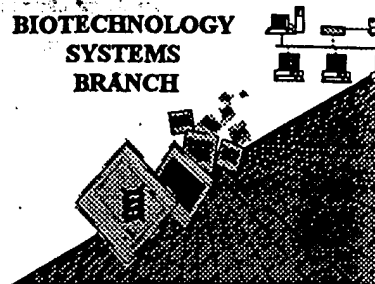


F. Moerze

# **RAW SEQUENCE LISTING** **ERROR REPORT**

BIOTECHNOLOGY  
SYSTEMS  
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following CRF diskette:

Application Serial Number: 09/248,382  
Art Unit / Team No. : 1653  
Date Processed by STIC: 6/12/2000

**THE ATTACHED PRINTOUT EXPLAINS THE ERRORS DETECTED.**

**PLEASE BE SURE TO FORWARD THIS INFORMATION TO THE APPLICANTS BY EITHER:**

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANTS ALONG WITH A NOTICE TO COMPLY or,**
- 2) CALLING APPLICANTS AND FAXING THEM A COPY OF THE PRINTOUT WITH A NOTICE TO COMPLY**

**THIS WILL INSURE THAT THE NEXT SUBMISSION RECEIVED FROM THEM WILL BE ERROR FREE.**

**IF YOU HAVE ANY FURTHER QUESTIONS, PLEASE CALL:**

**MARK SPENCER 703-308-4212**

F. Moerze

1653

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/248,382

DATE: 06/12/2000  
TIME: 15:47:12

Input Set : A:\PTO.txt  
Output Set: N:\CRF3\06122000\I248382.raw

pp. 13, 5

5 <110> APPLICANT: MUKHERJEE,, RAMA  
7 PRASAD, SUDHANAND  
9 BURMAN, ANAND C  
13 <120> TITLE OF INVENTION: NOVEL PEPTIDE ANALOGS FOR THE TREATMENT OF CANCER  
17 <130> FILE REFERENCE: u0121042  
21 <140> CURRENT APPLICATION NUMBER: 09/248,382  
C--> 23 <141> CURRENT FILING DATE: 1999-02-10  
27 <150> PRIOR APPLICATION NUMBER: 343/DEL/98  
29 <151> PRIOR FILING DATE: 1998-02-11  
33 <160> NUMBER OF SEQ ID NOS: 29  
37 <170> SOFTWARE: PatentIn Ver. 2.0  
41 <210> SEQ ID NO: 1  
43 <211> LENGTH: 8  
45 <212> TYPE: PRT  
47 <213> ORGANISM: Artificial Sequence  
51 <220> FEATURE:  
53 <223> OTHER INFORMATION: Description of Artificial Sequence: This peptide  
55 was synthetically generated.  
59 <220> FEATURE:  
61 <221> NAME/KEY: MOD\_RES  
63 <222> LOCATION: (2)  
65 <223> OTHER INFORMATION: /product = 2-amino-isobutyric acid/ label = Aib  
69 <400> SEQUENCE: 1  
71 Leu Met Tyr Pro Thr Tyr Leu Lys  
73 1 5  
78 <210> SEQ ID NO: 2  
80 <211> LENGTH: 8  
82 <212> TYPE: PRT  
84 <213> ORGANISM: Artificial Sequence  
88 <220> FEATURE:  
90 <221> NAME/KEY: MOD\_RES  
92 <222> LOCATION: (2)  
94 <223> OTHER INFORMATION: / product = 2-amino-isobutyric acid / label = Aib  
98 <220> FEATURE:  
100 <223> OTHER INFORMATION: Description of Artificial Sequence: This peptide  
102 was synthetically generated  
106 <400> SEQUENCE: 2  
W--> 108 Xaa Met Tyr Pro Thr Tyr Xaa Lys  
110 1 5  
115 <210> SEQ ID NO: 3  
117 <211> LENGTH: 8  
119 <212> TYPE: PRT  
121 <213> ORGANISM: Artificial Sequence  
125 <220> FEATURE:  
127 <221> NAME/KEY: MOD\_RES  
129 <222> LOCATION: (3)  
131 <223> OTHER INFORMATION: / product = D-leucine/ label = D-Leu

Does Not Comply  
Corrected Diskette Needed

? Met is at  
location 2

? Met is at location 2

what about Xaa  
at locations 1 and 2?

(see item 10 on  
Erra Summary Sheet) ??

Tyr is at location 3

## RAW SEQUENCE LISTING

DATE: 06/12/2000

PATENT APPLICATION: US/09/248,382

TIME: 15:47:12

Input Set : A:\PTO.txt

Output Set: N:\CRF3\06122000\I248382.raw

135 <220> FEATURE:  
 137 <221> NAME/KEY: MOD\_RES  
 139 <222> LOCATION: (3)  
 141 <223> OTHER INFORMATION: / product = 2-amino-isobutyric acid/ label = Aib  
 145 <220> FEATURE:  
 147 <223> OTHER INFORMATION: Description of Artificial Sequence: This peptide  
 149 was synthetically generated  
 153 <400> SEQUENCE: 3  
 W--> 155 Xaa Met Tyr Pro Thr Tyr Xaa Lys  
 157 1 5  
 162 <210> SEQ ID NO: 4  
 164 <211> LENGTH: 8  
 166 <212> TYPE: PRT  
 168 <213> ORGANISM: Artificial Sequence  
 172 <220> FEATURE:  
 174 <221> NAME/KEY: MOD\_RES  
 176 <222> LOCATION: (4)  
 178 <223> OTHER INFORMATION: /product = D-tyrosine/ label = D-Tyr  
 182 <220> FEATURE:  
 184 <223> OTHER INFORMATION: Description of Artificial Sequence: This peptide  
 186 was synthetically generated  
 190 <400> SEQUENCE: 4  
 W--> 192 Leu Met Tyr Pro Thr Xaa Leu Lys  
 194 1 5  
 199 <210> SEQ ID NO: 5  
 201 <211> LENGTH: 8  
 203 <212> TYPE: PRT  
 205 <213> ORGANISM: Artificial Sequence  
 209 <220> FEATURE:  
 211 <221> NAME/KEY: MOD\_RES  
 213 <222> LOCATION: (5)  
 215 <223> OTHER INFORMATION: /product = D-leucine/label = D-Leu  
 219 <220> FEATURE:  
 221 <223> OTHER INFORMATION: Description of Artificial Sequence: This peptide  
 223 was synthetically generated  
 227 <400> SEQUENCE: 5  
 W--> 229 Leu Met Tyr Pro Thr Tyr Xaa Lys  
 231 1 5  
 236 <210> SEQ ID NO: 6  
 238 <211> LENGTH: 8  
 240 <212> TYPE: PRT  
 242 <213> ORGANISM: Artificial Sequence  
 246 <220> FEATURE:  
 248 <221> NAME/KEY: MOD\_RES  
 250 <222> LOCATION: (6)  
 252 <223> OTHER INFORMATION: /product = D-tyrosine/label = D-Tyr  
 256 <220> FEATURE:  
 258 <221> NAME/KEY: MOD\_RES  
 260 <222> LOCATION: (6)

? Tyr is at location 3

what about Xaa's at location 1 and 7?

Pro is at location 4

what about Xaa at location 6?

Thr is at location 5

needs explanation - see item 10 on Error summary sheet

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/248,382

DATE: 06/12/2000  
 TIME: 15:47:12

Input Set : A:\PTO.txt  
 Output Set: N:\CRF3\06122000\I248382.raw

262 <223> OTHER INFORMATION: /product = D-leucine/label = D-Leu  
 266 <220> FEATURE:  
 268 <223> OTHER INFORMATION: Description of Artificial Sequence: This peptide  
 270 was synthetically generated  
 274 <400> SEQUENCE: 6  
 W--> 276 Leu Met Xaa Pro Thr Tyr Xaa Lys  
 278 1 5  
 283 <210> SEQ ID NO: 7  
 285 <211> LENGTH: 8  
 287 <212> TYPE: PRT  
 289 <213> ORGANISM: Artificial Sequence  
 293 <220> FEATURE:  
 295 <223> OTHER INFORMATION: Description of Artificial Sequence: This peptide  
 297 was synthetically generated  
 301 <220> FEATURE:  
 303 <221> NAME/KEY: MOD\_RES  
 305 <222> LOCATION: (7)  
 307 <223> OTHER INFORMATION: /product = D-leucine/label = D-Leu  
 311 <220> FEATURE:  
 313 <221> NAME/KEY: MOD\_RES  
 315 <222> LOCATION: (7)  
 317 <223> OTHER INFORMATION: /product = D-leucine/label = D-Leu  
 321 <400> SEQUENCE: 7  
 W--> 323 Xaa Met Tyr Pro Thr Tyr Xaa Lys  
 325 1 5  
 330 <210> SEQ ID NO: 8  
 332 <211> LENGTH: 8  
 334 <212> TYPE: PRT  
 336 <213> ORGANISM: Artificial Sequence  
 340 <220> FEATURE:  
 342 <223> OTHER INFORMATION: Description of Artificial Sequence: This peptide  
 344 was synthetically generated  
 348 <220> FEATURE:  
 350 <221> NAME/KEY: MOD\_RES  
 352 <222> LOCATION: (1)  
 354 <223> OTHER INFORMATION: /product = 2-amino-isobutyric acid/ label = Aib  
 358 <220> FEATURE:  
 360 <221> NAME/KEY: MOD\_RES  
 362 <222> LOCATION: (7)  
 364 <223> OTHER INFORMATION: /product = cyclic and acyclic dialkylated  
 366 glycine/label = Dxg  
 370 <400> SEQUENCE: 8  
 OK> 372 Xaa Met Tyr Pro Thr Tyr Xaa Lys  
 374 1 5  
 379 <210> SEQ ID NO: 9  
 381 <211> LENGTH: 8  
 383 <212> TYPE: PRT  
 385 <213> ORGANISM: Artificial Sequence  
 389 <220> FEATURE:

*Tyr is at location 6*

*see item 10*

*delete - duplicated above*

*see item 10*

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/248,382  
 DATE: 06/12/2000  
 TIME: 15:47:12

Input Set : A:\PTO.txt  
 Output Set: N:\CRF3\06122000\I248382.raw

391 <221> NAME/KEY: MOD\_RES  
 393 <222> LOCATION: (1)  
 395 <223> OTHER INFORMATION: /product = D-leucine/label = D-Leu  
 399 <220> FEATURE:  
 401 <221> NAME/KEY: MOD\_RES  
 403 <222> LOCATION: (7)  
 405 <223> OTHER INFORMATION: /product = cyclic and acyclic dialkylated glycine/  
 407 label = D<sub>xg</sub>  
 411 <220> FEATURE:  
 413 <223> OTHER INFORMATION: Description of Artificial Sequence: This peptide  
 415 was synthetically generated  
 419 <400> SEQUENCE: 9  
 OK 421 Xaa Met Tyr Pro Thr Tyr Xaa Lys  
 423 1 5  
 428 <210> SEQ ID NO: 10  
 430 <211> LENGTH: 8  
 432 <212> TYPE: PRT  
 434 <213> ORGANISM: Artificial Sequence  
 438 <220> FEATURE:  
 440 <221> NAME/KEY: MOD\_RES  
 442 <222> LOCATION: (1)  
 444 <223> OTHER INFORMATION: /product = D-phenylalanine/label = D-Phe  
 448 <220> FEATURE:  
 450 <221> NAME/KEY: MOD\_RES  
 452 <222> LOCATION: (8)  
 454 <223> OTHER INFORMATION: /product = Leucine N-ethylamide/label = Leu-NHet  
 458 <220> FEATURE:  
 460 <223> OTHER INFORMATION: Description of Artificial Sequence: This peptide  
 462 was synthetically generated  
 466 <400> SEQUENCE: 10  
 OK 468 Xaa Gln Trp Ala Val Gly His Xaa  
 470 1 5  
 475 <210> SEQ ID NO: 11  
 477 <211> LENGTH: 8  
 479 <212> TYPE: PRT  
 481 <213> ORGANISM: Artificial Sequence  
 485 <220> FEATURE:  
 487 <223> OTHER INFORMATION: Description of Artificial Sequence: This peptide  
 489 was synthetically generated  
 493 <220> FEATURE:  
 495 <221> NAME/KEY: MOD\_RES  
 497 <222> LOCATION: (1)  
 499 <223> OTHER INFORMATION: /product = D-phenylalanine/label = D-Phe  
 503 <400> SEQUENCE: 11  
 OK 505 Xaa Gln Trp Ala Val Gly His Leu  
 507 1 5  
 512 <210> SEQ ID NO: 12  
 514 <211> LENGTH: 8  
 516 <212> TYPE: PRT

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/248,382  
 DATE: 06/12/2000  
 TIME: 15:47:12

Input Set : A:\PTO.txt  
 Output Set: N:\CRF3\06122000\I248382.raw

518 <213> ORGANISM: Artificial Sequence  
 522 <220> FEATURE:  
 524 <223> OTHER INFORMATION: Description of Artificial Sequence: This peptide  
 526 was synthetically generated  
 530 <220> FEATURE:  
 532 <221> NAME/KEY: MOD\_RES  
 534 <222> LOCATION: (1)  
 536 <223> OTHER INFORMATION: /product = D-phenylalanine/label = D-Phe  
 540 <220> FEATURE:  
 542 <221> NAME/KEY: MOD\_RES  
 544 <222> LOCATION: (6)  
 546 <223> OTHER INFORMATION: /product = 2-amino-isobutyric acid/label = Aib  
 550 <400> SEQUENCE: 12  
 OK-> 552 Xaa Gln Trp Ala Val Xaa His Leu  
 554 1 5  
 559 <210> SEQ ID NO: 13  
 561 <211> LENGTH: 8  
 563 <212> TYPE: PRT  
 565 <213> ORGANISM: Artificial Sequence  
 569 <220> FEATURE:  
 571 <223> OTHER INFORMATION: Description of Artificial Sequence: This peptide  
 573 was synthetically generated  
 577 <220> FEATURE:  
 579 <221> NAME/KEY: MOD\_RES  
 581 <222> LOCATION: (1)  
 583 <223> OTHER INFORMATION: /product = D-phenylalanine/label = D-Phe  
 587 <220> FEATURE:  
 589 <221> NAME/KEY: MOD\_RES  
 591 <222> LOCATION: (6)  
 593 <223> OTHER INFORMATION: /product=2-amino-isobutyric acid/label = Aib  
 597 <400> SEQUENCE: 13  
 W--> 599 Xaa Gln Trp Xaa Val Gly His Leu  
 601 1 5  
 606 <210> SEQ ID NO: 14  
 608 <211> LENGTH: 8  
 610 <212> TYPE: PRT  
 612 <213> ORGANISM: Artificial Sequence  
 616 <220> FEATURE:  
 618 <223> OTHER INFORMATION: Description of Artificial Sequence: This peptide  
 620 was synthetically generated  
 624 <220> FEATURE:  
 626 <221> NAME/KEY: MOD\_RES  
 628 <222> LOCATION: (1)  
 630 <223> OTHER INFORMATION: /product = D-phenylalanine/label = D-Phe  
 634 <220> FEATURE:  
 636 <221> NAME/KEY: MOD\_RES  
 638 <222> LOCATION: (6)  
 640 <223> OTHER INFORMATION: /product = 2-amino-isobutyric acid/label = Aib  
 644 <400> SEQUENCE: 14

Gly is at location 6

see item 10

FYI  
↓

**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

## VERIFICATION SUMMARY

DATE: 06/12/2000

PATENT APPLICATION: US/09/248,382

TIME: 15:47:13

Input Set : A:\PTO.txt

Output Set: N:\CRF3\06122000\I248382.raw

L:23 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:108 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:155 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:192 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:229 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5  
L:276 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:323 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7  
L:372 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8  
L:421 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9  
L:468 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10  
L:505 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11  
L:552 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12  
L:599 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13  
L:646 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14  
L:683 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15  
L:730 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16  
L:777 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17  
L:844 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18  
L:891 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19  
L:940 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20  
L:987 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21  
L:1064 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22  
L:1131 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23  
L:1188 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24  
L:1255 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25  
L:1320 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26  
L:1377 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27  
L:1426 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28  
L:1483 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29